

SYNDANIYO SHEET

Syndaniyo sheet is composite material made from cement and fiber for reinforcement, this fiber can be of asbestos or non asbestos as per the requirement. Syndaniyo is considered as high temperature engineering material and structural insulation material, provides outstanding service in very harsh applications where high temperatures or heat transferances are a problem or where long term insulation at temperature is required. It has got very good thermal as well as electrical insulation. Some of the properties are as under

- thermal insulation
- thermal shock resistant
- Electrical insulation
- Hard material -good structural strength
- good to Machining like drilling, cutting, turning, cutting
- withstand continuous operating temperature up to 550°C
- High electrical strength and arc resistance
- Dust – free surface

Standard sizes available:

Size: 1050 mm X 1200 mm

Thickness: 3,5,6, 8, 10, 12, 16, 20, 25, 38, 50, 75 mm

Application:

- Top block of induction furnace
- platform of induction furnace
- front, back and side covers of induction furnace
- spacer to maintain gap in induction coil turns
- any structural part in high temperature application
- Heat Barriers
- Backup insulation
- billet heater boxes

Technical Specifications

Parameter	Syndanio 550		
Density (Kg / m ³)	1900		
Compressive Strength (Kg / cm ²)	1050		

Shear Strength (Kg/Cm2)	280		
Max. Continuous Operating Temperature	550° C		
Dielectric strength at 90 °C			
Transverse	1KV/mm		
Surface	3KV/min		
Thermal Conductivity of boards thickness 10 mm at 350°C (W/M °C)	0.63		
Remark	Commercial Mineral Fiber Grade		

